

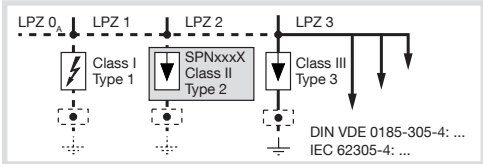
- (FR) Parafoudres
- (EN) Lightning surge arrester
- (DE) Überspannungsableiter
- (IT) Scaricatori
- (ES) Pararrayos
- (PT) Limitador de sobretensões
- (AR) ضد البرق

## SPN215D/R, SPN240D/R, SPN265R, SPN415D/R, SPN440D/R, SPN465R

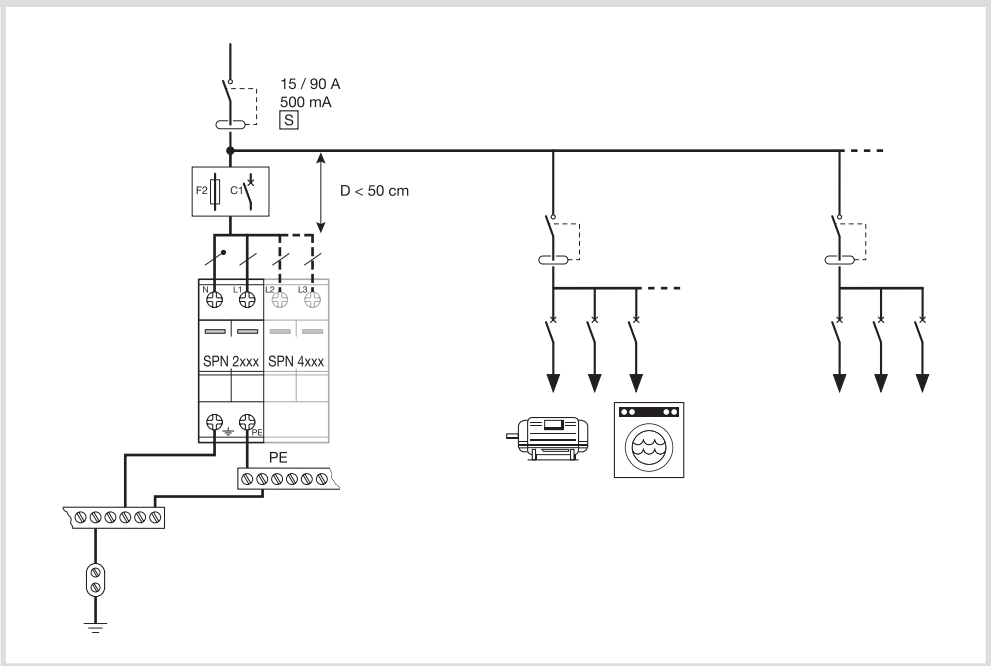
EN 61 643-11 IEC 61 643-11	Type 2 Class II
TT/TN	OK
$U_n$	230/400 V (50/60 Hz) Tolerance: 0V... $U_c$
$I_{pe}$	< 5 $\mu$ A
$I_{fi}$ (N-PE)	100 A <sub>rms</sub>
Humidity	5%...95%
$\theta$ °C	-40/+55 °C
Ports	1
IP code	20 (built in)
LxWxH	86,5x35x60 mm (SPN2xxD/R) 86,5x70x60 mm (SPN4xxD/R)

	PZ 2 4 Nm		
min. L, N, PE, $\pm$	2,5 mm <sup>2</sup>		
max. L, N, PE, $\pm$	25 mm <sup>2</sup>	35 mm <sup>2</sup>	

### Coordination / Koordination



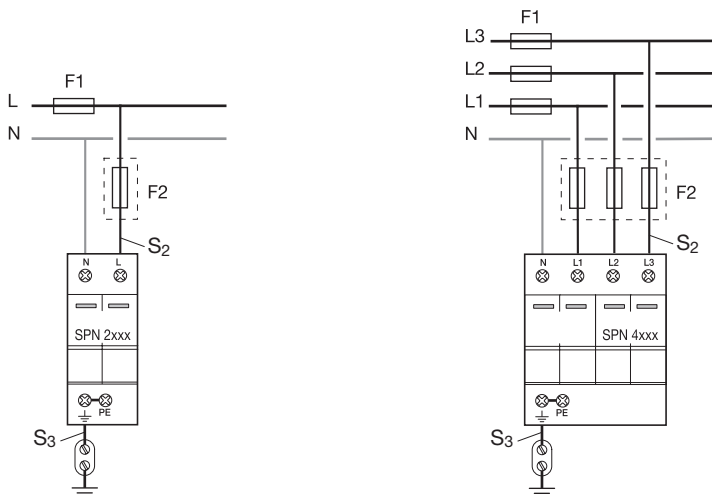
Indoor use only - There is no distance from the SPD to any earthed conductive surface required



	$I_n$ (8/20 $\mu$ s)	$I_{max}$ (8/20 $\mu$ s)	$U_p$	$U_c$ (L-N)	$U_c$ (N-PE)	C1 max. hager	F2 max. gG	$I_{scrr}$	
SPN215D/R SPN415D/R	5 kA	15 kA	$\leq 1$ kV	275 V (50/60 Hz)	255 V	32 A"C"	125 A gG	10 kA <sub>rms</sub>	SPN015D/R SPN040N
SPN240D/R SPN440D/R	15 kA	40 kA	$\leq 1,2$ kV	275 V (50/60 Hz)	255 V	32 A"C"	125 A gG	20 kA <sub>rms</sub>	SPN040D/R SPN040N
SPN265R SPN465R	20 kA	65 kA	$\leq 1,5$ kV	275 V (50/60 Hz)	255 V	32 A"C"	160 A gG	20 kA <sub>rms</sub>	SPN065R SPN065N

2P

4P



### Backup fuse/Vorsicherung

Type	SPNx15D/R SPNx40D/R	SPNx65R
F1	F1 > 125 AgG ↓ F2 $\leq$ 125 AgG	F1 > 160 AgG ↓ F2 $\leq$ 160 AgG
F2	F1 $\leq$ 125 AgG ↓ 	F1 $\leq$ 160 AgG ↓ 

A min. 6mm<sup>2</sup> Cu

Type			SPNx15x SPNx40x	SPNx65R
F1 A/gG	S <sub>2</sub> mm <sup>2</sup>	S <sub>3</sub> mm <sup>2</sup>	F2 A/gG	F2 A/gG
25	4	6	-	-
35	4	6	-	-
40	4	6	-	-
50	6	6	-	-
63	10	10	-	-
80	10	10	-	-
100	16	16	-	-
125	16	16	-	-
160	25	25	125	-
> 160	25	25	125	160

### Fault indication

#### SPN215D, SPN415D, SPN240D, SPN440D



OK

Vert/Green/Grün/Verde/  
Verde/Verde/أخضر

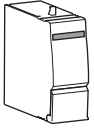


Replace

Rouge/Red/Rot/  
Rosso/Rojo/Encarnado/أحمر

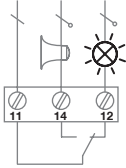


#### SPN215R, SPN415R, SPN240R, SPN440R, SPN265R, SPN465R

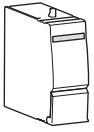


Protection module OK

Vert/Green/Grün/Verde/  
Verde/Verde/أخضر

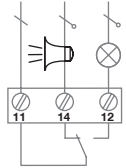


Protection module OK

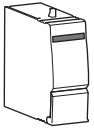


Protection module exchange recommended

Jaune/Yellow/Gelb/Giallo/  
Amarillo/Amarelo/أصفر

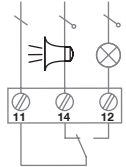


Protection module exchange recommended



Replace

Rouge/Red/Rot/Rosso/  
Rojo/Encarnado/أحمر



I min.	250 VAC/0,5 A 250 VDC/0,1 A
I max.	125 VDC/0,2 A 75 VDC/0,5 A
1,5 mm <sup>2</sup>	

#### SPN015D/R, SPN040D/R, SPN065R

